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 PTO/SB/21(09-04)
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	Application Number	10/532,547	
	Filing Date	4/22/2005	
	First Named Inventor	Plowman	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission		295	
		Attorney Docket Number	EX03-075C-US

ENCLOSURES (check all that apply)		
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Printed Name	Laleh Shayesteh		
Date	August 4, 2005	Reg. No.	47,937

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Typed or printed name	Laleh Shayesteh	Date	August 4, 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Plowman *et al.*

Application No.: 10/532,547

Filed: April 22, 2005

For: MBMS AS MODIFIERS OF
BRANCHING MORPHOGENESIS
AND METHODS OF USE

Confirmation No.: 6196

Art Unit: Not Assigned

Examiner: Not Assigned

Attorney Docket No.: EX03-075C-US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with 37 C.F.R. §1.56, this Information Disclosure Statement is being submitted for the above-referenced application.

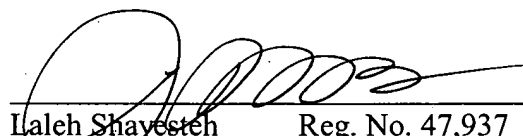
In accordance with 37 C.F.R. §1.97 (g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 C.F.R. §1.56 exists.

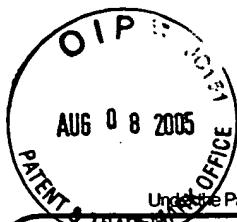
In accordance with 37 C.F.R. §1.97 (h), the disclosure contained herein is not intended to constitute an admission that any patent, publication, or other information referred to is "prior art" or "analogous art" for this invention.

The Commissioner is hereby authorized to charge any required fees, if necessary, to Deposit No. 50-1108.

Respectfully submitted,

Dated: August 4, 2005


Laleh Shayesteh Reg. No. 47,937
Tel: (650) 837-8223; Fax: (650) 837-8234



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/532,547
Filing Date	4/22/2005
First Named Inventor	Plowman
Art Unit	
Examiner Name	
Attorney Docket Number	EX03-075C-US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	NCBI Annotation Project. Homo sapiens calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma (CAMK2G), mRNA. GI:22051042. 01-AUG-2002	
	2	Xie,S., et al. Homo sapiens polo-like kinase 3 (Drosophila) (PLK3), mRNA. GI:4758015 30-JAN-2004	
	3	Strausberg,R.L., et al Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, gamma (PIP5K2C), mRNA. GI:21322229 07-SEP-2003	
	4	Sagara,N., et al Homo sapiens frizzled homolog 7 (Drosophila) (FZD7), mRNA. GI:4503832 22-APR-2005	
	5	Li,J., et al, Homo sapiens glycogen synthase kinase 3 beta (GSK3B), mRNA. GI:21361339 26-JUL-2005	
	6	Nupponen NN et al Homo sapiens homeodomain-interacting protein kinase 3 (HIPK3), mRNA. GI:11386208 28-NOV-2000	
	7	Price,V.E., et al. Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA. GI:4557694 01-AUG-2005.	
	8	Pastore,S., et al. Homo sapiens mitogen-activated protein kinase 1 (MAPK1), transcript variant 1, mRNA. GI:20986528 23-MAY-2005	
	9	Li,B.S., et al. Homo sapiens mitogen-activated protein kinase 10 (MAPK10), transcript variant 1, mRNA. GI:20986504 22-APR-2005	
	10	NCBI Annotation Project. Homo sapiens similar to Mitogen-activated protein kinase 6 (Extracellular signal-regulated kinase 3) (ERK-3) (MAP kinase isoform p97) (p97-MAPK) (LOC160848), mRNA. GI:18581345 01-AUG-2002	
	11	Rai,R., et al. Homo sapiens mitogen-activated protein kinase 6 (MAPK6), mRNA. GI:16306569 14-MAY-2005	

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Sheet 2 of 6

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First Named Inventor Plowman

Art Unit

Examiner Name

Attorney Docket Number EX03-075C-US

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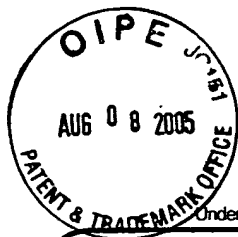
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	12	Robinson,M.J. et al. Homo sapiens mitogen-activated protein kinase 4 (MAPK4), mRNA. GI:6715608 29-JUN-2005	
	13	Lu,K.P. et al. Homo sapiens NIMA (never in mitosis gene a)-related kinase 4 (NEK4), mRNA. GI:4507276 22-APR-2005	
	14	Liu,Y., et al. Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), mRNA. GI:21361305 23-AUG-2004	
	15	Razeghi,P., et al. Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 4 (PDK4), mRNA. GI:4505692 07-APR-2003	
	16	Liu,F., et al. Homo sapiens membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase (PKMYT1), mRNA. GI:21361082 06-APR-2003	
	17	Higuchi,H., et al. Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA. GI:4506056 23-DEC-2003	
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	20	Shibukawa,Y., Homo sapiens protein kinase C, delta (PRKCD), mRNA. GI:5453969 07-APR-2003	
	21	Rohwer,A., et al. Homo sapiens PTK9L protein tyrosine kinase 9-like (A6-related protein) (PTK9L), mRNA. GI:6005845 07-APR-2003	
	22	Beeler,J.F., et al. Homo sapiens PTK9 protein tyrosine kinase 9 (PTK9), mRNA. GI:4506274 07-APR-2003	

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Sheet 3 of 6

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Application Number 10/532,547

Filing Date 4/22/2005

First Named Inventor Plowman

Art Unit

Examiner Name

Attorney Docket Number EX03-075C-US

NON PATENT LITERATURE DOCUMENTS

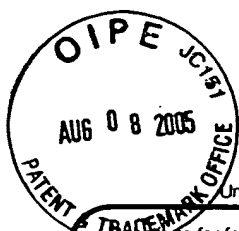
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	23	Akula,S.M., et al. Homo sapiens v-raf-1 murine leukemia viral oncogene homolog 1 (RAF1), mRNA. GI:4506400 23-AUG-2004	
	24	Huang,C.Y., et al. Homo sapiens serine/threonine kinase 24 (STE20 homolog, yeast) (STK24), mRNA. GI:20070157 11-JUN-2005	
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	26	NCBI Annotation Project. Homo sapiens serine/threonine kinase 38 like (STK38L), mRNA. GI:22058228 01-AUG-2002	
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	28	NCBI Annotation Project. Homo sapiens similar to tousled-like kinase 2 (Arabidopsis);protein kinase U-alpha; Tousled-like kinase (Arabidopsis) (LOC220231), mRNA. GI:22052588 01-AUG-2002	
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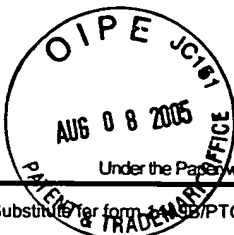
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	34	Strausberg, R.L., et al. Phosphatidylinositol-4-phosphate 5-kinase, type II, gamma [Homo sapiens]. GI:20306910 28-JUL-2005.	
	35	Sagara, N., et al. frizzled 7 [Homo sapiens]. GI:4503833 22-APR-2005	
	36	Lau KF, et al. glycogen synthase kinase 3 beta [Homo sapiens]. GI:4504163 31-OCT-2000	
	37	Nupponen NN et al. homeodomain-interacting protein kinase 3 [Homo sapiens]. GI:11386209 28-NOV-2000	
	38	Price, V.E., et al. v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog precursor [Homo sapiens]. GI:4557695 01-AUG-2005	
	39	Li, L., et al. mitogen-activated protein kinase 1; protein kinase, mitogen-activated 1 (MAP kinase 1; p40, p41); p41mapk [Homo sapiens]. GI:4506087 31-OCT-2000	
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	41	NCBI Annotation Project. similar to Mitogen-activated protein kinase 6 (Extracellular signal-regulated kinase 3) (ERK-3) (MAP kinase isoform p97) (p97-MAPK) [Homo sapiens]. GI:18581346 01-AUG-2002	
	42	Rai, R., et al. mitogen-activated protein kinase 6 [Homo sapiens]. GI:4506091 14-MAY-2005	
	43	Robinson, M.J. et al. mitogen-activated protein kinase 4 [Homo sapiens]. GI:4506089 29-JUN-2005	
	44	Lu, K.P. et al. NIMA (never in mitosis gene a)-related kinase 4 [Homo sapiens]. GI:4507277 22-APR-2005	

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Sheet 5 of 6

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Application Number 10/532,547

Filing Date 4/22/2005

First Named Inventor Plowman

Art Unit

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	45	Valent,A., et al. neurotrophic tyrosine kinase, receptor, type 2 [Homo sapiens]. GI:5453812 01-NOV-2000	
	46	Savkur,R.S., et al. pyruvate dehydrogenase kinase, isoenzyme 4 [Homo sapiens]. GI:4505693 23-APR-2005	
	47	Liu,F., et al. membrane-associated tyrosine- and threonine-specific cdc2-inhibi [Homo sapiens]. GI:4758928 14-MAY-2002	
	48	Hanamoto,T., et al. cAMP-dependent protein kinase catalytic subunit beta isoform 2 [Homo sapiens]. GI:4506057 29-JUN-2005	
	49	Martin,M.C., et al. cAMP-dependent protein kinase catalytic subunit alpha isoform 1 [Homo sapiens]. GI:4506055 14-JUN-2005	
	50	Smith,J.M., et al. protein kinase C, alpha [Homo sapiens]. GI:4506067 27-JUL-2005	
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	52	Rohwer,A., et al. twinfilin-like protein [Homo sapiens]. GI:6005846 14-MAY-2005	
	53	Ojala,P.J., et al. PTK9 protein tyrosine kinase 9; protein tyrosine kinase 9 [Homo sapiens]. GI:4506275 05-OCT-2003	
	54	Mukherjee,R., et al. v-raf-1 murine leukemia viral oncogene homolog 1 [Homo sapiens]. GI:4506401 26-JUL-2005	
	55	Zhou,T.H., et al. serine/threonine kinase 24 (STE20 homolog, yeast); serine/threonine kinase 24 (Ste20, yeast homolog); STE20-like kinase 3 [Homo sapiens]. GI:4505261 19-DEC-2001	

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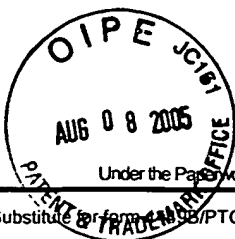
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	56	Osada,S., et al. serine/threonine kinase 25 (Ste20, yeast homolog); sterile 20 (oxidant stress response kinase 1; yeast Sps1/Ste20-related kinase1) [Homo sapiens]. GI:5454174 19-DEC-2001	
	57	Nagase,T., et al. KIAA0965 protein [Homo sapiens]. GI:4589574 16-JUN-1999	
	58	Devroe,E., et al. serine/threonine kinase 38 [Homo sapiens]. GI:6005814 23-APR-2005	
	59	NCBI Annotation Project. similar to tousled-like kinase 2 (Arabidopsis); protein kinase U-alpha; Tousled-like kinase (Arabidopsis) [Homo sapiens]. GI:22052589 01-AUG-2002	
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